



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
PROGRAM DEVELOPMENT & ADMINISTRATION DIVISION  
SUITE 600, JAMES K. POLK BUILDING  
505 DEADERICK STREET  
NASHVILLE, TENNESSEE 37243-1402  
(615) 741-3301

JOHN C. SCHROER  
COMMISSIONER

BILL HASLAM  
GOVERNOR

TO: Will Reid, Assistant Chief Engineer of Operations

FROM: *RP* Ronnie Porter, Director, Program Development and Administration Division

SUBJECT: **Proprietary Item Request and Justification for Sevierville for McCain controllers and GRIDSMAST detection.**

I, Ronnie Porter, Director of the Program Development and Administration Division, request approval for the City of Sevierville to be certified to utilize the following proprietary item(s) over the next three years, where Federal and/or State funding is used:

McCain ATC eX2 NEMA controllers

GRIDSMAST detection

**Justification**

Please see attached letters from the City for justification.

If you have any questions or comments, please contact **Eli Jones (615) 532-3184** with the Local Programs Development Office or at [Eli.Jones@tn.gov](mailto:Eli.Jones@tn.gov).

I, Ronnie Porter, Program Development and Administration Division Director, of the Tennessee Department of Transportation, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that the patented or proprietary item(s) as listed above is essential for the synchronization with existing facilities or no equally suitable alternative exists for this patented or proprietary item as listed above.

*Ronnie Porter, Director, Traffic Operations*  
Recommendation for Approval

*[Signature]*  
Assistant Chief Engineer of Operations

*11/17/17*  
Date



## Public Works Department

October 24, 2017

Mr. Steve Bryan, P.E.  
TDOT Traffic Operations Division  
James K. Polk Building, Suite 1300  
505 Deaderick Street  
Nashville, TN 37243

RE: TDOT Project Numbers 78LPLM-F1-014 and 78LPLM-F1-027

Dear Mr. Bryan:

The City of Sevierville would like to request the use of McCain ATC eX2 NEMA controllers in conjunction with the above referenced projects (Sevier County Tourist Corridor Intelligent Transportation System) and at all future traffic signals that are maintained and operated by the City over the next three (3) years. This request encompasses all projects that will be completed using either federal or state funding. The City currently utilizes signal controllers manufactured by PEEK at their forty-five (45) signalized intersections. McCain ATC eX2 NEMA controllers and McCain's Transparency C2C central software system were selected by the City during qualifications based selection process as outlined in the systems engineering analysis (SEA) for these projects.

The City of Sevierville, in conjunction with the City of Pigeon Forge, issued a request for proposals (RFP), in December 2016, requesting qualified vendors to submit proposals to provide services and equipment to operate as the City's signal software and local controller/cabinet hardware standard for the above referenced projects and in future traffic signal installations and upgrades. The RFP contained several qualifications and system requirements that each vendor was required to explain in detail how they would meet them in order to be considered. The qualifications and requirements included, but were not limited to, ATC controllers that are compatible with NEMA TS-1, TS-2, and ATC/ITS cabinet standards; the deployment of at least fifty (50) ATC controllers, a central system that supports multiple central operation facilities; and availability of staff for technical support. The deadline for proposals was February 9, 2017, and several vendors submitted proposals to the City. Two (2) vendors were invited to make in-person demonstrations to City staff displaying their controllers and software in addition to allowing the City to bench test their equipment independently. Once the demonstrations were completed, the City of Sevierville, along with the City of Pigeon Forge, determined that McCain could best serve both cities need for an advanced traffic management system.

A traditional low-bid process will may not ensure that the signal system is sufficiently integrated or customized for an agency's needs. Therefore, a competitive RFP process, as outlined above, is recommended by the Federal Highway Administration (FHWA) for the assessing and procuring complex ITS equipment and software.

Thank you in advance for your consideration concerning this request as the City of Sevierville upgrades and enhances their existing advance traffic control system. If you have any questions, please contact me by phone at (865) 868-1777 or email at [bfortner@seviervilletn.org](mailto:bfortner@seviervilletn.org).

Sincerely,

THE CITY OF SEVIERVILLE



Bryon W. Fortner, P.E.  
Public Works Director

cc: Project Team



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## Public Works Department

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October 30, 2017

Mr. Steve Bryan, P.E.  
TDOT Traffic Operations Division  
James K. Polk Building, Suite 1300  
505 Deaderick Street  
Nashville, TN 37243

RE: TDOT Project Numbers 78LPLM-F1-014 and 78LPLM-F1-027

Dear Mr. Bryan:

The City of Sevierville would like to request the use of the GRIDSMArt System in conjunction with the above referenced projects (Sevier County Tourist Corridor Intelligent Transportation System) and at all future traffic signals that are maintained and operated by the City over the next three (3) years. This request encompasses all projects that will be completed using either federal or state funding. The City currently utilizes GRIDSMArt video vehicle detection at nineteen (19) of their forty-five (45) signalized intersections.

Beyond detecting vehicles, the GRIDSMArt System provides capabilities that the City has found valuable that include providing real-time video images to the City's traffic operations center, pan-tilt-zoom capability, and performing turning movement counts. Through training and on-the-job experience, the City of Sevierville's technicians have become familiar with the operation of GRIDSMArt and its components, and the City maintains an inventory of parts for routine maintenance and troubleshooting.

Thank you in advance for your consideration concerning this request as the City of Sevierville upgrades and enhances their existing advance traffic control system. If you have any questions, please contact me by phone at (865) 868-1777 or email at [bfortner@seviervilletn.org](mailto:bfortner@seviervilletn.org).

Sincerely,

THE CITY OF SEVIERVILLE

Bryon W. Fortner, P.E.  
Public Works Director

cc: Project Team